

SUPPLY



Fig.: 600W Type



SmartPower S-Series

- CW LASER APPLICATION UP TO 200A @ 1200W
- ANALOG OR DIGITAL VERSION

The compact SmartPower laser diode drivers were designed for safe CW operation of diode lasers in industrial environments.

Analogue or digital interface allows the use as a stable laser power source in machines and complex laser systems. The compact housing is easy to cool and mount.

Microprocessor-controlled signal processing and safety shutdowns ensure reliable operation in the field.

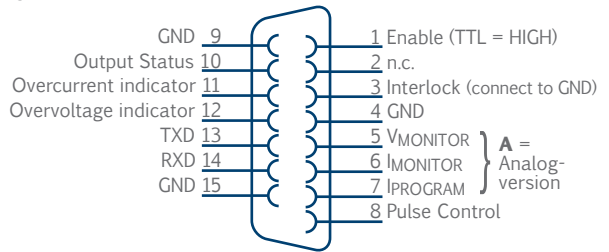
A control software is available.

SmartPower S-Series

FEATURES

- Configurable voltage and current versions
- Digital and analogue interface galvanic isolated
- Overload protection
- Temperature-controlled fan
- RS232 Interface
- Pulse control pin

INTERFACE



SPECIFICATIONS

	600W	1200W
Power:	600W	1200W
Current:	up to 100A	200A
Voltage:	up to 30V	
Input voltage:	90-265Vac (Derating < 120Vac)	
Efficiency:	> 83%	
Current ripple:	< 0,5%rms @ Full Load (BW=20MHz)	
Trigger rise / fall time:	250µs	
Control accuracy:	< 0,5%	
Stability:	< 0,1%	
Protection circuits:	Overcurrent / Overvoltage / Overtemperature	



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